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(21) International Application Number: PCT/AU97/00304 (22) International Filing Date: 16 May 1997 (16.05.97) (30) Priority Data: PN 9917 17 May 1996 (17.05.96) AU (71) Applicant (for all designated States except US): WOMEN'S AND CHILDREN'S HOSPITAL [AU/AU]; 72 King William Road, North Adelaide, S.A. 5006 (AU). (72) Inventors; and (75) Inventors/Applicants (for US only): MEIKLE, Peter, J. [AU/AU]; 98 Haines Road, Banksia Park, S.A. 5091 (AU). BROOKS, Douglas, A. [AU/AU]; 80 Stroud Street, North Cheltenham, S.A. 5014 (AU). HOPWOOD, John, J. [AU/AU]; 2 Monarto Court, Stonyfell, S.A. 5066 (AU). (74) Agents: SLATTERY, John, Michael et al.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: <u>EARLY DETECTION OF LYSOSOMAL STORAGE DISORDERS</u>		
(57) Abstract The present invention relates generally to lysosomal storage disorders and to diagnostic agents for their detection in humans and other animals. More particularly, the present invention is directed to the uses of the LSD markers Lamp-1, Lamp-2, Limp-II, 4-sulphatase, acid phosphatase (ACP), β -hexosaminidase or α -mannosidase, amongst others as diagnostic agents for the detection of many lysosomal storage disorders.		